

Docket No. LPTF01  
US App. No. 10/500,421

---

**IN THE CLAIMS:**

Claims 1-22. (canceled)

23. (currently amended) A portable data converting and processing device with standard data interface, comprising a standard data interface connector and a data processing controller, characterized in that said standard data interface connector is integrated with said data processing controller to form a body unit, the body unit does not include any built-in flash memory, an electric interface is set in the body unit to connect to an external unit; said data processing controller comprises a conversion-controller which is ~~an infrared receiving/transmitting module, or a RF processor, or an IC identification processor, or a multi-functional processor having a~~ multi-functional processor formed by combination of MMC card processor, a SD card processor, a CF card processor, a MD card processor, a SMC card processor, and IBM Micro Drive processor and has a converting circuit which supports MMC card, SD card, CF card, MD card, SMC card, and flash storage medium UF1 to UF8; said external unit comprises a data storage device; said data storage device is a non-losable storage device.

24. (previously presented) The portable data converting and processing device with standard data interface according to claim 23, characterized in that an electric interface matched for the connection with the body unit is set at one end of said conversion-controller, and an electric interface matched for the connection with the external unit is set at the other end of said conversion-controller.

25. (canceled)

26. (previously presented) The portable data converting and processing device with standard data interface according to claim 23, characterized in that said standard data interface connector is plug-style or socket-style.

27. (previously presented) The portable data converting and processing device with standard data interface according to claim 23, characterized in that said external unit or said conversion-controller is connected to a covering body of the body unit by a leading groove connection, or a

Docket No. LPTF01  
US App. No. 10/500,421

plug-in connection, or an elastic-fastening connection.

28. (previously presented) The portable data converting and processing device with standard data interface according to claim 23, characterized in that an elastic fastener is set in a covering body of said external unit and a tache is set in a corresponding place of the covering body of the body unit.

29. (previously presented) The portable data converting and processing device with standard data interface according to claim 23, characterized in that a separate rear-lid is set at the rear of a covering body of said body unit; thus a container is formed between the body unit and the rear-lid, and the external unit or the conversion-controller is put into this container.

30. (previously presented) The portable data converting and processing device with standard data interface according to claim 23, characterized in that said external unit is put on a bracket, which is inserted in grooves in a covering body of the body unit.

31. (previously presented) The portable data converting and processing device with standard data interface according to claim 23, characterized in that an electric interface for the external unit is set in said processor, wherein the interface can be standard USB connector, CF card connector, MMC card connector, SD card connector, SMC card connector, IBM Micro Drive connector, RS-232, COM port, IEEE1394 or PS/2.

32. (previously presented) The portable data converting and processing device with standard data interface according to claim 23, characterized in that more than one data interfaces are set in a covering body of said body unit; said interfaces can be USB interface, CF card connector, MMC card connector, SD card connector, SMC card connector, IBM Micro Drive connector, RS 222, COM port, IEEE1394 or PS/2.

33. (canceled)

34. (new) A portable data converting and processing device with standard data interface,

Docket No. LPTF01  
US App. No. 10/500,421

comprising a standard data interface connector and a data processing controller, characterized in that said standard data interface connector is integrated with said data processing controller to form a body unit, an electric interface is set in the body unit to connect to an external unit; said data processing controller comprises a conversion-controller which is a multi-functional processor formed by combination of an infrared receiving/transmitting module, a RF processor, and an IC identification processor; said external unit comprises a data storage device; said data storage device is a non-losable storage device.

35. (new) The portable data converting and processing device with standard data interface according to claim 34, wherein the body unit does not include any built-in flash memory.

36. (new) A portable data converting and processing device with standard data interface, comprising a standard data interface connector and a data processing controller, characterized in that said standard data interface connector is integrated with said data processing controller to form a body unit, an electric interface is set in the body unit to connect to an external unit; said data processing controller comprises a conversion-controller which is an infrared receiving/transmitting module, a RF processor, or a combination of an infrared receiving/transmitting module and a RF processor; said external unit comprises a data storage device; said data storage device is a non-losable storage device.

37. (new) The portable data converting and processing device with standard data interface according to claim 36, wherein the body unit does not include any built-in flash memory.